Apoptozole

**ALTERNATE NAME:** 4-[[2-[3,5-bis(trifluoromethyl)phenyl]-4,5-bis(4-methoxyphenyl)-1H-imidazol-1-yl]methyl]benzamide

**CATALOG #:**
- B2412-5 5 mg
- B2412-25 25 mg

**STRUCTURE:**

![Chemical Structure](image)

**MOLECULAR FORMULA:** C_{33}H_{25}F_{6}N_{3}O_{3}

**MOLECULAR WEIGHT:** 625.6

**CAS NUMBER:** 1054543-47-3

**APPEARANCE:** Crystalline solid

**PURITY:** ≥98% by HPLC

**SOLUBILITY:** >40 mg/ml DMSO

**STORAGE CONDITIONS:** -20°C

**DESCRIPTION:** Apoptozole is an inhibitor of the ATPase domain of Hsc70 and Hsp70, with Kds of 0.21 and 0.14 μM, respectively. Apoptozole dose-dependently induces apoptosis in cancer cells (IC\textsubscript{50} = 5-7 μM). It prevents the association of Hsp70 with apoptotic protease-activating factor 1 and triggers caspase activation in HeLa cells.


**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**
- XL888 (2654)
- Geldanamycin (1564)
- 17-AAG (1774)
- AT-13387 (B1961)
- BIIB 021 (2291)

**DISCLAIMER:** FOR RESEARCH USE ONLY! Not to be used on humans.